

MARICOPA COUNTY INFLUENZA SUMMARY UPDATE

Week ending February 7, 2004 (Week 5)

Synopsis: During week 5 (February 1 – February 7, 2004), 4 laboratory-tested specimens were positive for influenza. The proportion of patient visits to Cigna Health Care Centers for influenza-like-illness (ILI) was 0.19%, while the proportion of patient visits to ASU Student Health and Wellness Center for ILI was 0.78%. The overall percentage of ER visits for ILI was 0.73%. The average daily percentage of students absent due to ILI was 0.55%, and the average daily percentage of students absent due to illness was 4.08%. Long-term care center surveillance indicated insignificant influenza activity*.

Laboratory Surveillance: During week 5, a total of 4 specimens tested positive for influenza. One untyped influenza type A virus and 3 untyped influenza viruses were identified at Arizona Medical Clinic and Scottsdale Healthcare Laboratory.

Pneumonia and Influenza (P&I) Mortality Surveillance:** P&I data for week 5 is currently unavailable.

Influenza-like Illness Surveillance:** During week 5, 0.19% of patient visits to Cigna Health Care facilities were due to ILI. The proportion of patient visits to ASU Student Health and Wellness Center for ILI was 0.78%. The overall percentage of ER visits for ILI was 0.73%. The average daily percentage of students absent due to ILI was 0.55%, and the average daily percentage of students absent due to illness was 4.08%. Due to differences in case definitions as well as wide variability between national and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report***.

The graph displays the percentage of visits for ILI over time. The y-axis represents the percentage of visits, ranging from 0 to 1.2 in increments of 0.2. The x-axis shows dates from 9/28-10/4 to 2/1-2/7. The data points are connected by a blue line with diamond markers. The percentage remains relatively low (below 0.2%) until mid-November, then rises sharply to a peak of approximately 0.96% on 11/30-12/6. After the peak, it declines to about 0.22% by 1/4-1/10 and remains at that level until 1/11-1/17, then slightly decreases to 0.11% by 1/25-1/31, and finally rises to 0.20% for the last period.

Date Range	% Visits for ILI
9/28-10/4	0.14
10/5-10/11	0.10
10/12-10/18	0.11
10/19-10/25	0.07
10/26-11/1	0.10
11/2-11/8	0.11
11/9-11/15	0.14
11/16-11/22	0.30
11/23-11/29	0.71
11/30-12/6	0.96
12/7-12/13	0.94
12/14-12/20	0.85
12/21-12/27	0.67
12/28-1/3	0.44
1/4-1/10	0.22
1/11-1/17	0.19
1/18-1/24	0.15
1/25-1/31	0.11
2/1-2/7	0.20

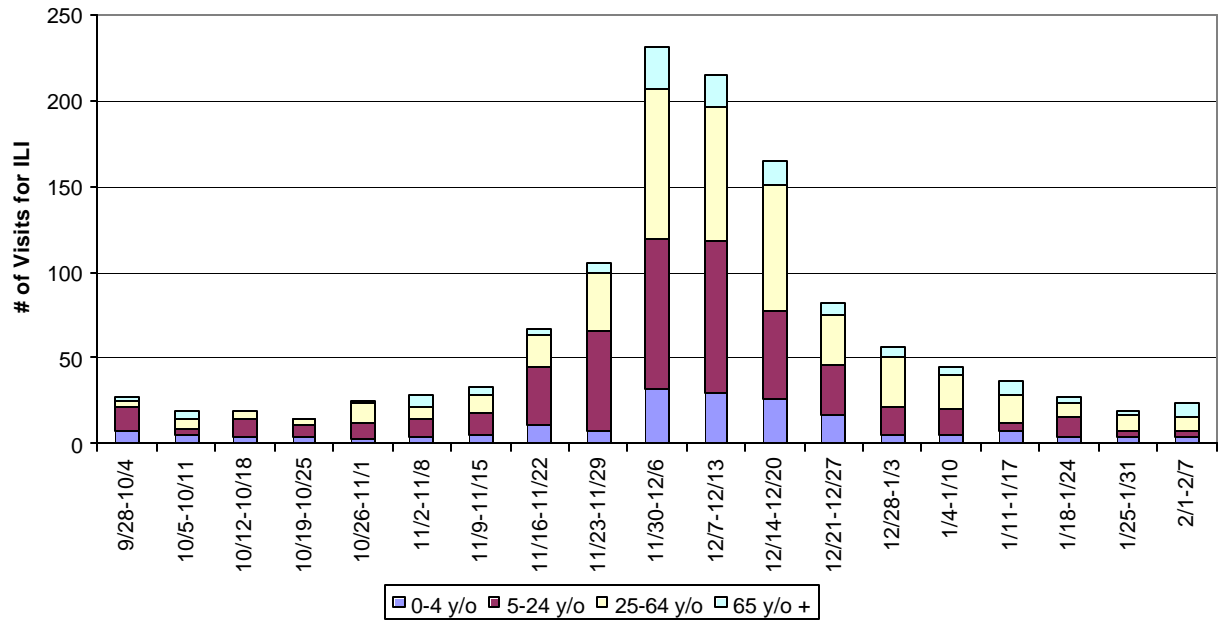
Percentage of Visits for Influenza-like Illness at Cigna Facilities, Maricopa County Summary 2003-04

The graph displays the percentage of visits for influenza-like illness (ILI) across 20 Cigna facilities in Maricopa County for the 2003-04 season. The Y-axis represents the percentage of visits for ILI, ranging from 0 to 8. The X-axis represents time, with dates ranging from 9/28-10/4 to 2/1-2/7. The legend lists the facilities: Chandler, C.J. Harris, Clyde Wright, Clyde Wright AHC, Deer Valley, Gilbert, North Valley, Paradise Valley, Paseo, Paseo AHC, Scottsdale, South Mountain, Stapley, Stapley AHC, Sun City, Sun City West, Super. Springs, Tempe, The Pointe, and Westridge.

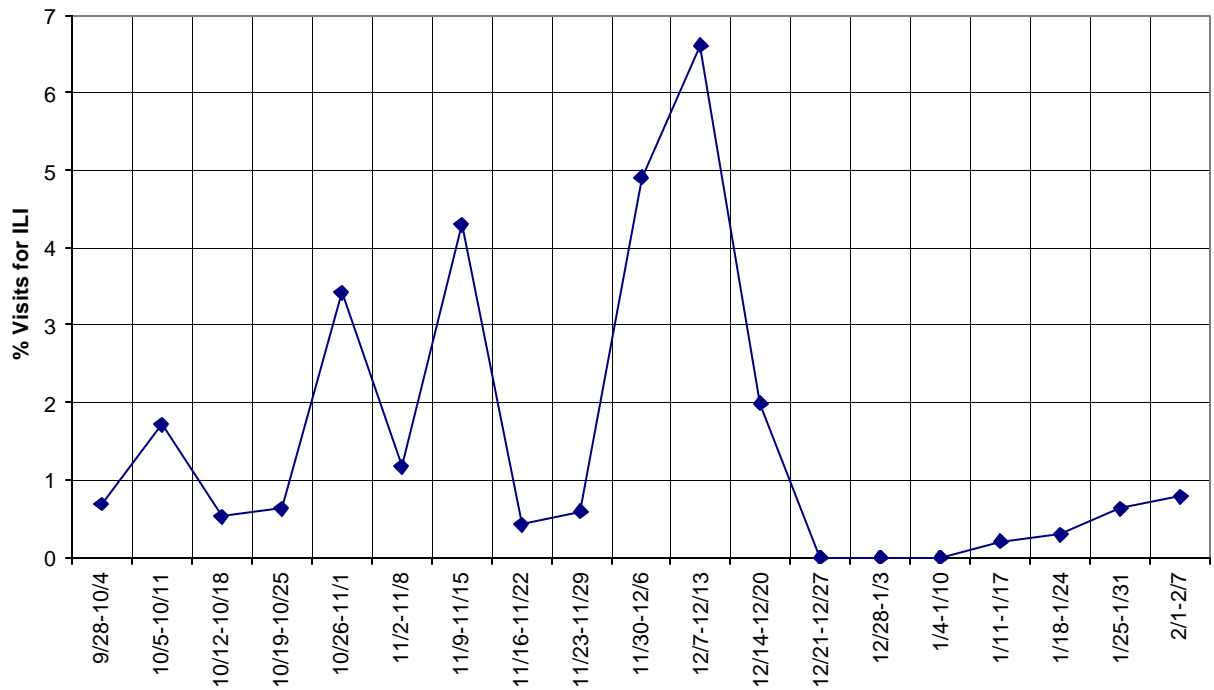
Key observations from the graph include:

- Most facilities show low percentages of visits for ILI, generally below 1%.
- There is a notable peak in visits for ILI around 11/23-11/29, with several facilities reaching between 1% and 3%.
- Facilities like Clyde Wright AHC and Stapley AHC show higher percentages of visits for ILI, peaking around 6% and 7% respectively.
- The overall trend shows a slight increase in visits for ILI in late 2003, followed by a decline in early 2004.

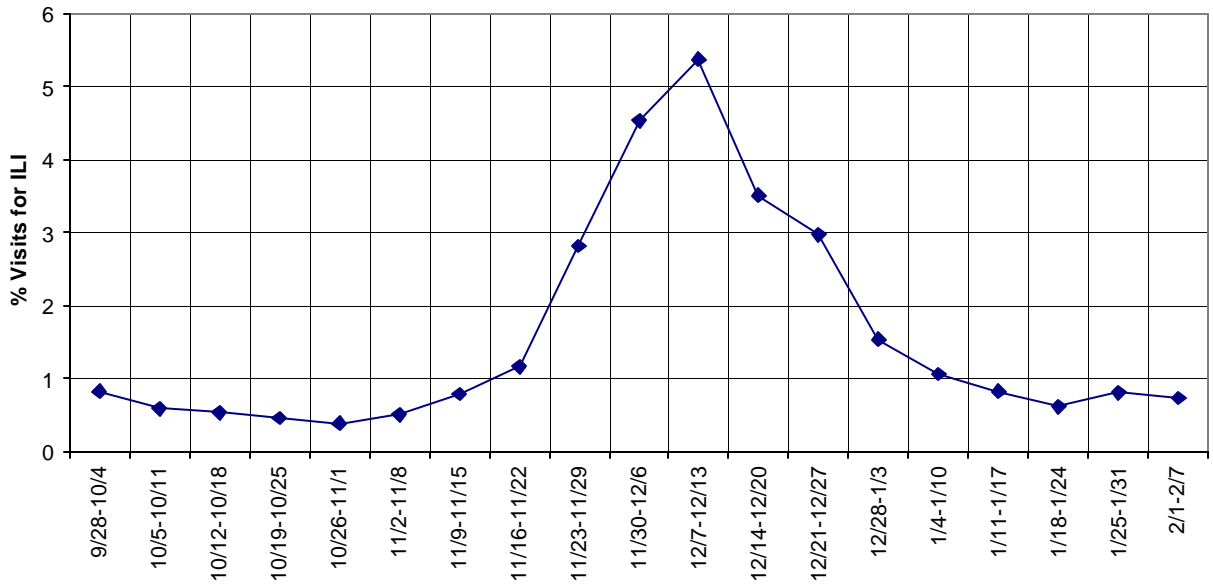
**Number of Visits to Cigna Facilities for Influenza-Like Illness,
Maricopa County Summary 2003-04 (by age group)**



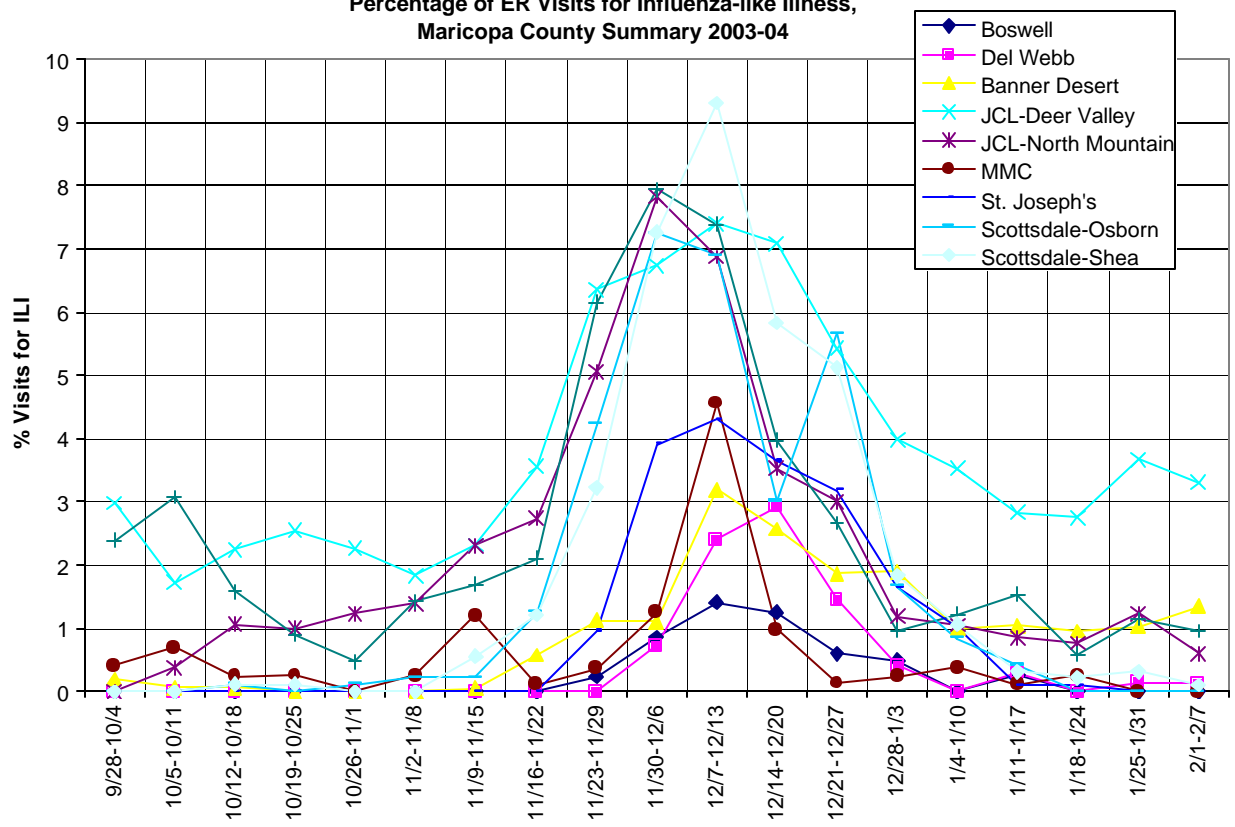
**Overall Percentage of Visits for Influenza-like Illness at ASU Student Health,
Maricopa County Summary 2003-04**



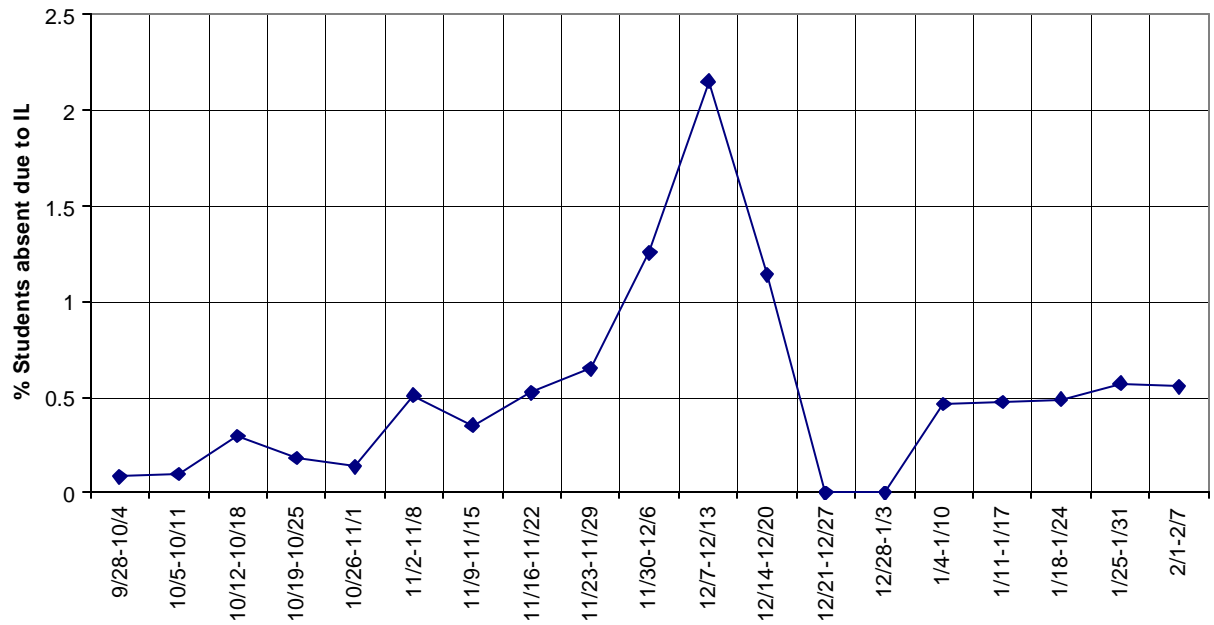
**Overall Percentage of Visits to ER for Influenza-like Illness,
Maricopa County Summary 2003-04**



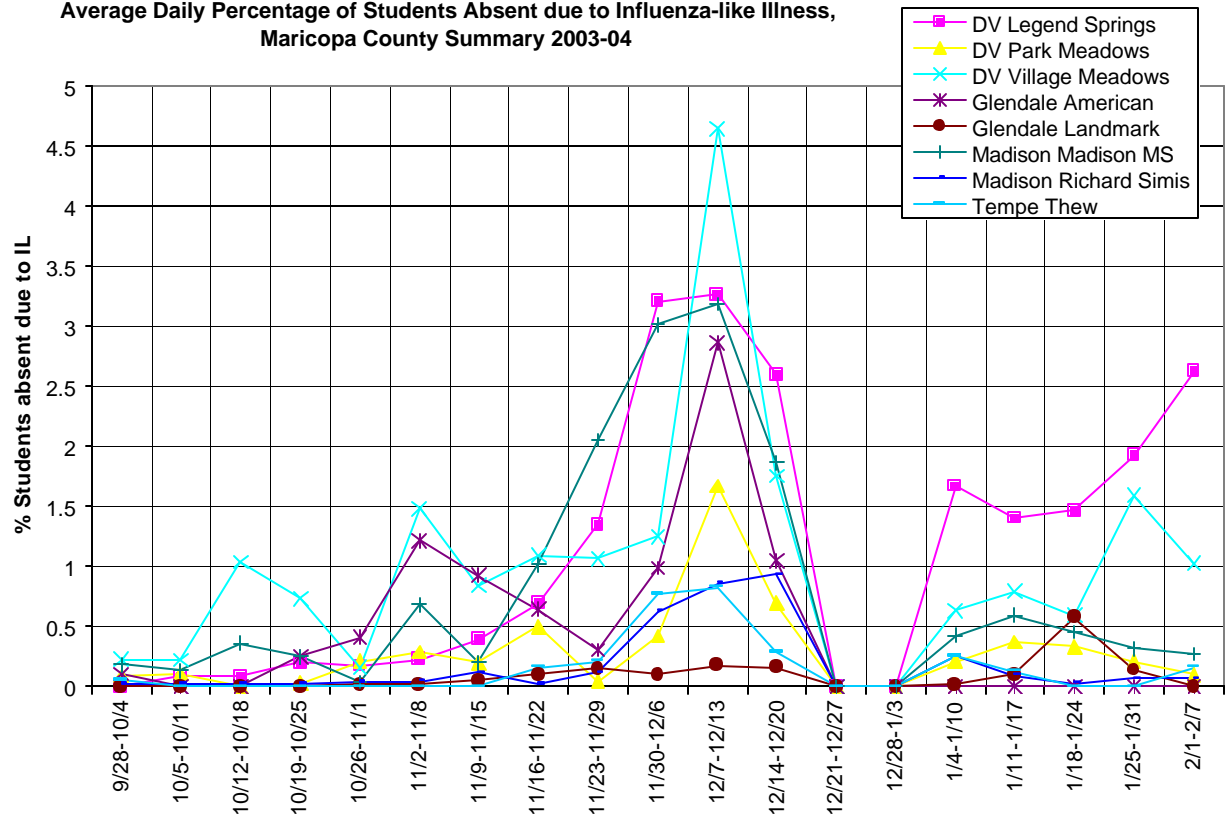
**Percentage of ER Visits for Influenza-like Illness,
Maricopa County Summary 2003-04**



**Average Daily Percentage of Students Absent due to Influenza-like Illness,
Maricopa County Summary 2003-04**

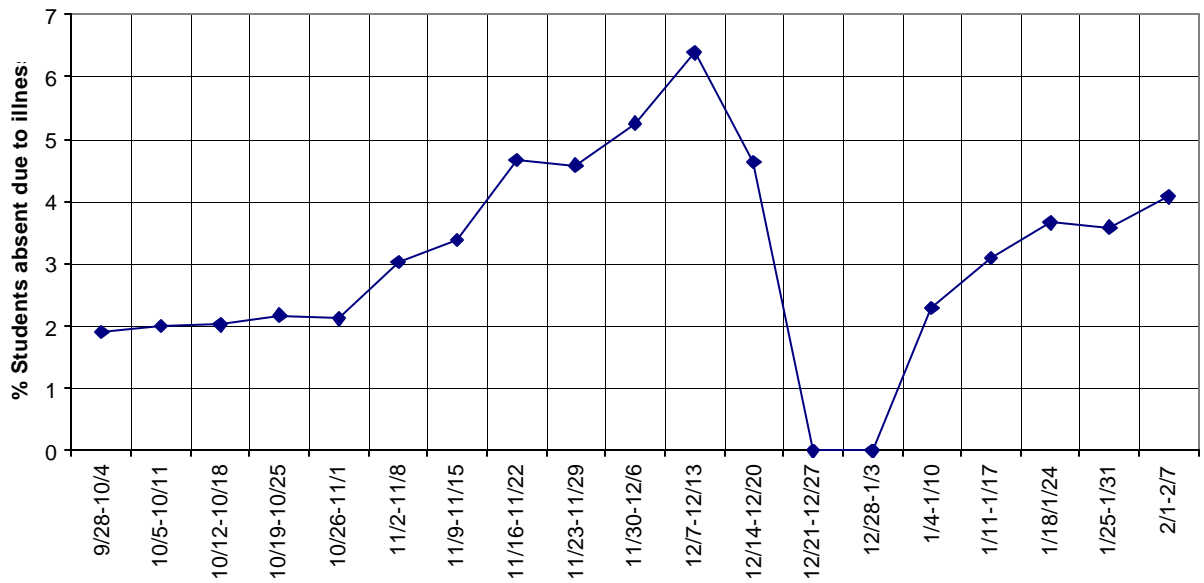


**Average Daily Percentage of Students Absent due to Influenza-like Illness,
Maricopa County Summary 2003-04**

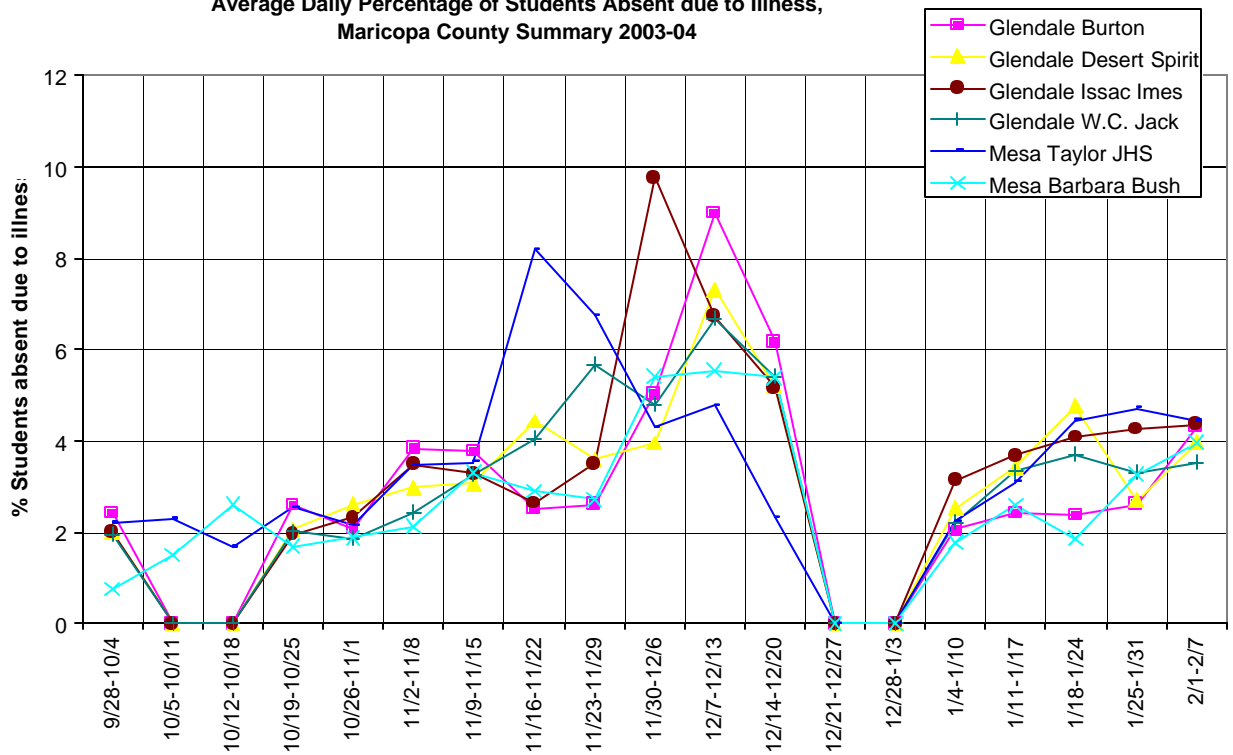


Note: All schools were on winter break from 12/21 – 1/3.

**Average Daily Percentage of Students Absent due to Illness,
Maricopa County Summary 2003-04**

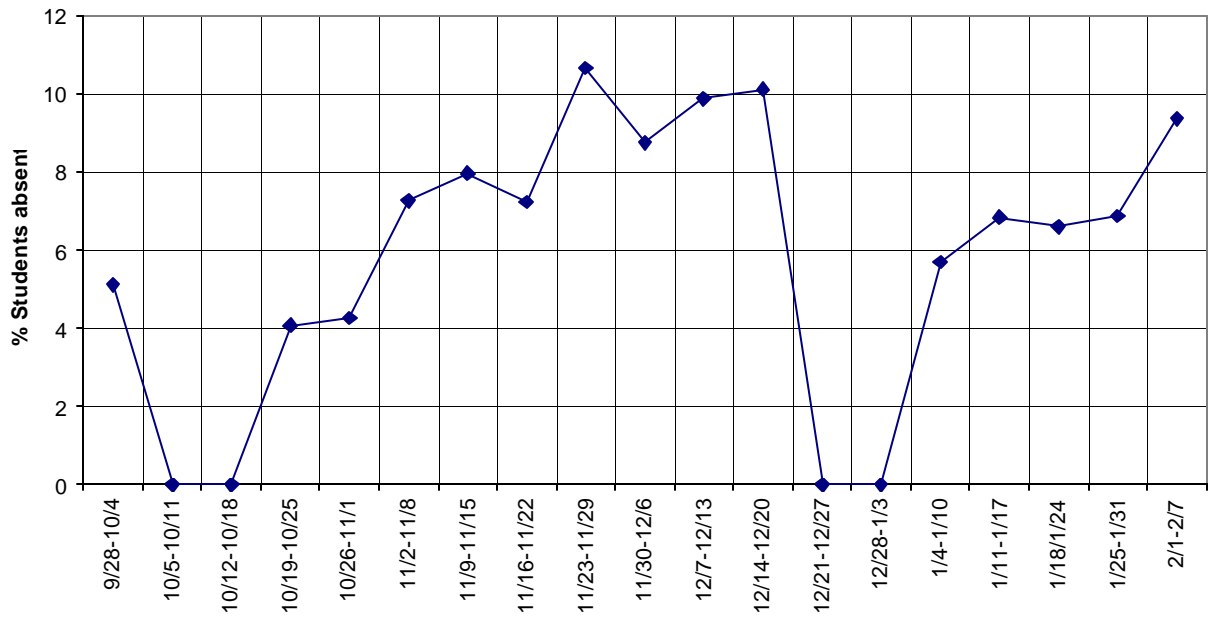


**Average Daily Percentage of Students Absent due to Illness,
Maricopa County Summary 2003-04**

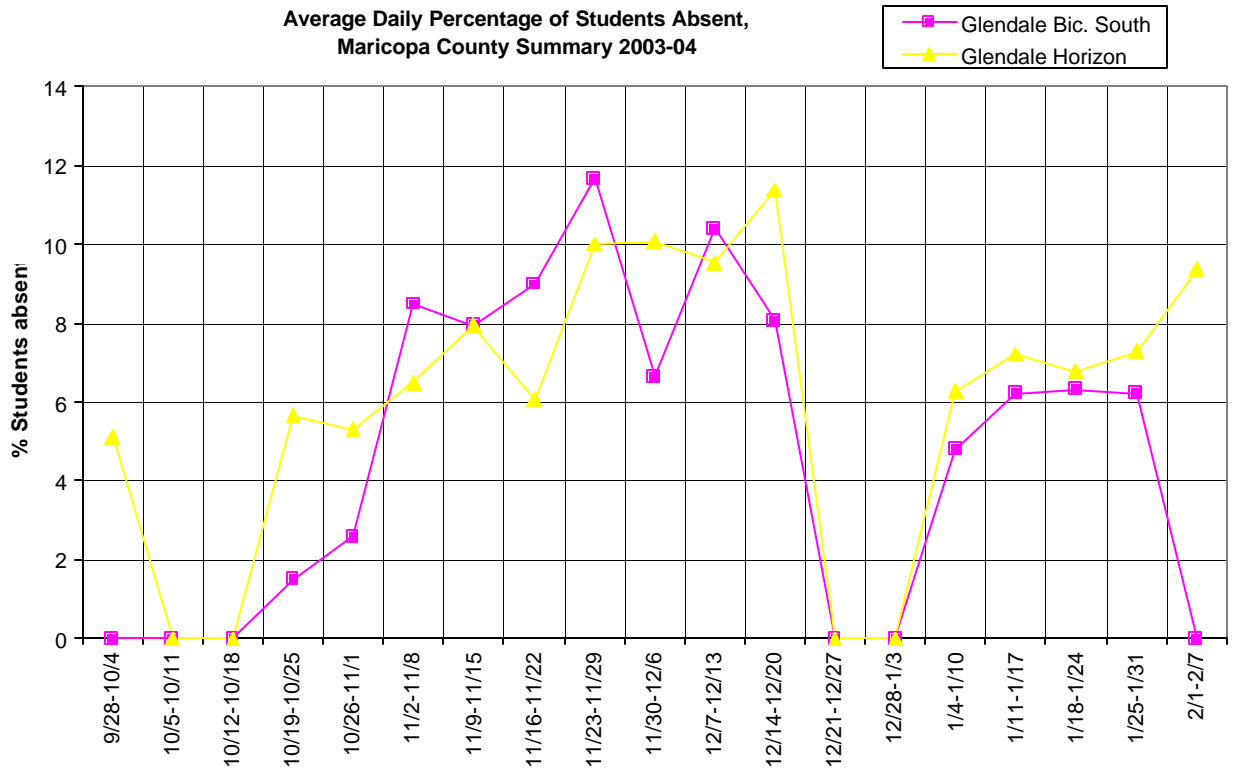


Note: Glendale schools were on fall break from 10/5/2003 – 10/18/2003.
All schools were on winter break from 12/21 – 1/3.

**Average Daily Percentage of Students Absent,
Maricopa County Summary 2003-04**



**Average Daily Percentage of Students Absent,
Maricopa County Summary 2003-04**



Note: The only schools reporting total absences are Glendale Bicentennial South and Glendale Horizon. These schools were on fall break from 10/5/2003 – 10/18/2003 and winter break from 12/21 – 1/3.

* Influenza activity is defined as influenza-like illness and/or culture-confirmed influenza.

** Reporting is incomplete for this week. Numbers may change as more reports are received.

*** Case definitions

For Cigna Health Care Centers and ASU Student Health and Wellness Center:
Fever plus either cough or sore throat

For Hospital ER's, Long-term Care Centers, and Schools:
Fever of 102 degrees or higher, plus two of the following symptoms:
Headache, chills, myalgia, cough, coryza, sore throat

Surveillance Sources: **Hospital Emergency Departments** (Boswell Memorial Hospital, Del Webb Memorial Hospital, Banner Desert Medical Center, John C. Lincoln Hospital Deer Valley, John C. Lincoln Hospital North Mountain, Maricopa Medical Center, Phoenix Indian Medical Center, St. Joseph's Hospital, Scottsdale Healthcare Osborn, Scottsdale Healthcare Shea); **Cigna Health Care Centers** (Chandler, CJ Harris, Clyde Wright, Clyde Wright AHC, Deer Valley, Gilbert, North Valley, Paradise Valley, Paseo, Paseo AHC, Scottsdale, South Mountain, Stapley, Stapley AHC, Sun City, Sun City West, Superstition Springs, Tempe, The Pointe, Westridge); **Long-term Care Centers** : (Arbor Rose Assisted Living, Christian Care Nursing Center, Cook Healthcare, Life Care Center of Paradise Valley, Sun Health Care Center, Westminster Village); **Schools**: (Deer Valley Legend Springs, Deer Valley Park Meadows, Deer Valley Village Meadows, Glendale American, Glendale Bicentennial South, Glendale Burton, Glendale Desert Spirit, Glendale Horizon, Glendale Issac Imes, Glendale Landmark, Glendale W.C. Jack, Madison Middle School, Madison Richard Simis, Mesa Taylor, Mesa Barbara Bush, Tempe Thew); **ASU Student Health and Wellness Center**

Cigna Health Care Centers and ASU Student Health and Wellness Center are participants in CDC's Sentinel Surveillance program.

Report can be found online at: http://www.maricopa.gov/public_health/epi/flu.asp

Report prepared: February 13, 2004